

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0470805002**  
**Status:** **Active**  
**Overview:** [serial\\_ata\\_signal\\_plugs](#)  
**Description:** 1.27mm (.050") Pitch Serial ATA Shrouded Signal Plug, Surface Mount, 7 Circuits, with Peg and Locking Latch, Color Nature, 0.76µm (30µ") Gold (Au) Plating, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-67490-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series 47080  
 Application Board-to-Board, Signal, Wire-to-Board  
 Overview [serial\\_ata\\_signal\\_plugs](#)  
 Product Name Serial ATA

**Physical**

Breakaway No  
 Circuits (Loaded) 7  
 Circuits (maximum) 7  
 Durability (mating cycles max) 500  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Number of Rows 1  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.60mm (.063")  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.27mm (.050")  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded No  
 Stackable No  
 Temperature Range - Operating -35°C to +85°C  
 Termination Interface: Style Surface Mount

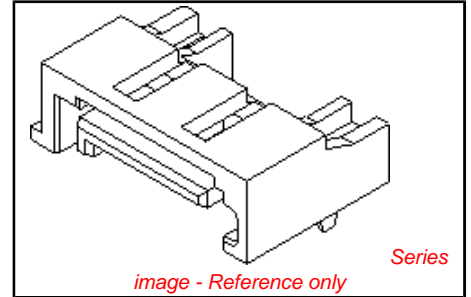
**Electrical**

Current - Maximum per Contact 1.5A  
 Voltage - Maximum 15V

**Solder Process Data**

Lead-free Process Capability Reflow Capable (SMT only)  
 Process Temperature max. C 230

**Material Info**



<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>                  Not Reviewed  <b>Low-Halogen Status</b>  <b>Not Low-Halogen</b></p>	<p><b>China RoHS</b></p>
--	--------------------------

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

47080Series

**Mates With**

67489 Serial ATA Signal Connect. ATA  
 Straight to Straight Signal Cable Assembly  
[887505310](#) , [887505318](#) , [887505410](#) ,  
[887505418](#)

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-67490-001, RPS-67490-002  
SD-47080-001

This document was generated on 02/23/2011

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**